

INTERNATIONAL SEARCH REPORT

PCT/GB 03/04697

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16L1/23 B65H51/14 H02G1/06 E21B19/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16L B65H H02G E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 638 288 A (PRYOR DALE H) 1 February 1972 (1972-02-01) column 2, line 3 - column 2, line 57; figures 3,4 -----	1,9
A	EP 0 524 648 A (HYDRA RIG INC) 27 January 1993 (1993-01-27) column 8, line 49 - column 9, line 43; figures 3-9 -----	1,9
A	US 3 216 639 A (ANDRE CASTELA) 9 November 1965 (1965-11-09) the whole document -----	1,9

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

C document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

S document member of the same patent family

Date of the actual completion of the international search

14 Apr11 2004

Date of making of the international search report

22/04/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patenlistan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Donnelly, C

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			DE 69220299 D1	17-07-1997
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			EP 0524648 A2	27-01-1993
US 3216639	A	09-11-1965	FR 1418760 A	26-11-1965
			DE 1177094 B	03-09-1964
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